

Title (en)
SCREEN CYLINDER WITH PERFORMANCE BOOSTING CONFIGURATION

Title (de)
SIEBZYLINDER MIT LEISTUNGSVERBESSERNDER KONFIGURATION

Title (fr)
CYLINDRE A TAMIS DONT LA CONFIGURATION AUGMENTE SON EFFICACITE

Publication
EP 1341592 A4 20041013 (EN)

Application
EP 01981800 A 20011024

Priority
• US 0132631 W 20011024
• US 24245600 P 20001024

Abstract (en)
[origin: WO0234356A1] A screen cylinder (125) used for screening cellulosic fibrous material pulp in the pulp and paper industry incorporates first (66) and second (67) downstream surfaces (16) having contoured slopes that form a funnel entrance of the grooves (13) at the screen cylinder slots (17). The contoured construction of the screen cylinder (125) effects greatly enhanced utility compared to conventional milled and discrete element screen cylinders, including substantially avoiding the <i>Coanda effect</i>.

IPC 1-7
B01D 29/35; **B01D 29/44**; **D21D 5/16**; **B07B 1/46**

IPC 8 full level
B01D 29/11 (2006.01)

CPC (source: EP)
B01D 29/111 (2013.01); **B01D 29/356** (2013.01); **B01D 29/44** (2013.01)

Citation (search report)
• [X] WO 9010110 A1 19900907 - AHLSTROEM OY [FI]
• [X] WO 0020091 A1 20000413 - THERMO BLACK CLAWSON INC [US], et al
• [X] WO 9950019 A1 19991007 - TECOMET INC [US], et al
• [X] DE 9108129 U1 19910905
• [X] US 3880711 A 19750429 - HAYES JR MILLARD F
• [X] US 5255790 A 19931026 - EINODER NORBERT [DE], et al
• [A] US 4268382 A 19810519 - HANKE REINHARD, et al
• See references of WO 0234356A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0234356 A1 20020502; AT E476239 T1 20100815; AU 1341702 A 20020506; CA 2426644 A1 20020502; DE 60142748 D1 20100916; EP 1341592 A1 20030910; EP 1341592 A4 20041013; EP 1341592 B1 20100804

DOCDB simple family (application)
US 0132631 W 20011024; AT 01981800 T 20011024; AU 1341702 A 20011024; CA 2426644 A 20011024; DE 60142748 T 20011024; EP 01981800 A 20011024